

N1-2 MDM Channel Assignments

| Name | Description | MDM | Card Refdes | Card Type | Slot No. | Chanl No. | Chanl Type | ISS Element | OPS Position | Flight Activation | Flight Deactivation |
|---------------------------------|--|------|-------------|-----------|----------|-----------|------------|-------------|--------------|-------------------|---------------------|
| HX Lab MT-B IN1 V Norm F1 Pos | Lab MT-B HX Inlet Byp Vlv Norm Flow Pos Ind | N1-2 | A09 | DIO | SL02 | CH00 | A | LAB | TCS | 5A | 12A |
| HX Lab MT-B IN1 V Byp F1 Cmd | Lab MT-B HX Inlet Byp Vlv Byp Flow Pos Ind | N1-2 | A09 | DIO | SL02 | CH01 | A | LAB | TCS | 5A | 12A |
| HX Lab MT-B Out V Open Pos | Lab MT-B HX Outlet Isln/Rlf Vlv Open Pos Ind | N1-2 | A09 | DIO | SL02 | CH02 | B | LAB | TCS | 5A | 12A |
| HX Lab MT-B Out V Cls Pos | Lab MT-B HX Outlet Isln/Rlf Vlv Cls Pos Ind | N1-2 | A09 | DIO | SL02 | CH03 | B | LAB | TCS | 5A | 12A |
| Smk Det N2-1 Bit Enbl | Node-1 Smk Det-2 Bit Enbl | N1-2 | A09 | DIO | SL02 | CH04 | B | Node-1 | TCS | 2A | AC |
| VAV Dmpr N1-CU Enbl Cmd | Cupola Air Mix Vlv Enable Cmd | N1-2 | A09 | DIO | SL02 | CH05 | A | Node-1 | ECLSS | 2A | AC |
| IMV Fan N1-Port Sply On/Off Cmd | Node-1 Port IMV Fan On/Off Cmd | N1-2 | A09 | DIO | SL02 | CH06 | A | Node-1 | ECLSS | 2A | AC |
| IMV Fan N1-Stbd Rtn On/Off Cmd | Node-1 Stbd IMV Fan On/Off Cmd | N1-2 | A09 | DIO | SL02 | CH07 | A | Node-1 | ECLSS | 2A | AC |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH08 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH09 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH10 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH11 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH12 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH13 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH14 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH15 | Spare | Spare | Spare | | |
| IMV V N1-Fwd Rtn Open Pos | Node-1 Fwd Rtn IMV Vlv Cls Pos | N1-2 | A09 | DIO | SL02 | CH16 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Fwd Rtn Enbl Cmd | Node-1 Fwd Rtn IMV Vlv Enbl Cmd | N1-2 | A09 | DIO | SL02 | CH17 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Fwd Rtn Cls Pos | Node-1 Fwd Rtn IMV Vlv Open Pos | N1-2 | A09 | DIO | SL02 | CH18 | B | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Fwd Sply Open Pos | Node-1 Fwd Sply IMV Vlv Open Pos | N1-2 | A09 | DIO | SL02 | CH19 | B | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Fwd Sply Cls Pos | Node-1 Fwd Sply IMV Vlv Cls Pos | N1-2 | A09 | DIO | SL02 | CH20 | B | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Fwd Sply Enbl Cmd | Node-1 Fwd Sply IMV Vlv Enbl Cmd | N1-2 | A09 | DIO | SL02 | CH21 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Rtn Open Pos | Node-1 Nad Rtn IMV Vlv open Pos | N1-2 | A09 | DIO | SL02 | CH22 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Rtn Cls Pos | Node-1 Nad Rtn IMV Vlv Cls Pos | N1-2 | A09 | DIO | SL02 | CH23 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Rtn Enbl Cmd | Node-1 Nad Rtn IMV Vlv Enbl Cmd | N1-2 | A09 | DIO | SL02 | CH24 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Sply Enbl Cmd | Node-1 Nad Sply IMV Vlv Enbl Cmd | N1-2 | A09 | DIO | SL02 | CH25 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Sply Open Pos | Node-1 Nad Sply IMV Vlv Open Pos | N1-2 | A09 | DIO | SL02 | CH26 | B | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Sply Cls Pos | Node-1 Nad Sply IMV Vlv Cls Pos | N1-2 | A09 | DIO | SL02 | CH27 | B | Node-1 | ECLSS | 2A | AC |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH28 | Spare | Spare | ECLSS | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH29 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH30 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A09 | DIO | SL02 | CH31 | Spare | Spare | Spare | | |
| SSMDM N1-1 Htr Pwr | MDM PMA1-1 Htr Pwr | N1-2 | A05 | SDO | SL03 | CH00 | n/a | PMA-1 | TCS | 2A | AC |
| HX Lab MT-B IN1 V Norm F1 Cmd | Lab MT-B HX Inlet Byp Vlv Norm Flow Cmd | N1-2 | A05 | SDO | SL03 | CH01 | n/a | LAB | TCS | 5A | 12A |
| HX Lab MT-B IN1 V Byp F1 Cmd | Lab MT-B HX Inlet Byp Vlv Byp Flow Cmd | N1-2 | A05 | SDO | SL03 | CH02 | n/a | LAB | TCS | 5A | 12A |
| HX Lab MT-B Out V Open Cmd | Lab MT-B HX Outlet Isln/Rlf Vlv Open Cmd | N1-2 | A05 | SDO | SL03 | CH03 | n/a | LAB | TCS | 5A | 12A |
| HX Lab MT-B Out V Cls Cmd | Lab MT-B HX Outlet Isln/Rlf Vlv Cls Cmd | N1-2 | A05 | SDO | SL03 | CH04 | n/a | LAB | TCS | 5A | 12A |
| Rnd Win Htr-1 Enbl Cmd | Cupola Rnd Window Htr-1 Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH05 | n/a | Cupola | TCS | 10A | AC |
| Rnd Win Htr-2 Enbl Cmd | Cupola Rnd Window Htr-2 Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH06 | n/a | Cupola | TCS | 10A | AC |
| Trap Win 1 Htr Enbl Cmd | Cupola Trap Window-1 Htr Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH07 | n/a | Cupola | TCS | 10A | AC |
| Trap Win 2 Htr Enbl Cmd | Cupola Trap Window-2 Htr Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH08 | n/a | Cupola | TCS | 10A | AC |

N1-2 MDM Channel Assignments

| Name | Description | MDM | Card Refdes | Card Type | Slot No. | Chanl No. | Chanl Type | ISS Element | OPS Position | Flight Activation | Flight Deactivation |
|--|--|------|-------------|-----------|----------|-----------|------------|-------------|--------------|-------------------|---------------------|
| Trap Win 3 Htr Enbl Cmd | Cupola Trap Window-3 Htr Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH09 | n/a | Cupola | TCS | 10A | AC |
| Trap Win 4 Htr Enbl Cmd | Cupola Trap Window-4 Htr Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH10 | n/a | Cupola | TCS | 10A | AC |
| Trap Win 5 RTD-1 Meas | Cupola Trap Window-5 Htr Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH11 | n/a | Cupola | TCS | 10A | AC |
| Trap Win 6 RTD-1 Meas | Cupola Trap Window-6 Htr Enbl Cmd | N1-2 | A05 | SDO | SL03 | CH12 | n/a | Cupola | TCS | 10A | AC |
| Spare | Spare | N1-2 | A05 | SDO | SL03 | CH13 | n/a | Spare | Spare | | |
| Spare | Spare | N1-2 | A05 | SDO | SL03 | CH14 | n/a | Spare | Spare | | |
| Spare | Spare | N1-2 | A05 | SDO | SL03 | CH15 | n/a | Spare | Spare | | |
| Spare | Spare | N1-2 | A05 | SDO | SL03 | CH16 | n/a | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH00 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH01 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH02 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH03 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH04 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH05 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH06 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH07 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH08 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH09 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH10 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH11 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH12 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH13 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH14 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH15 | Spare | Spare | Spare | | |
| Psiv APAS PMA2 Cap Plngr L-2 Pos | PMA-2 Passive APAS Capture Plunger Long-2 Pos | N1-2 | A10 | DIO | SL04 | CH16 | A | PMA-2 | OSO | 2A | 5A |
| Psiv APAS PMA2 Cap Plngr S-2 Pos | PMA-2 Passive APAS Capture Plunger Short-2 Pos | N1-2 | A10 | DIO | SL04 | CH17 | A | PMA-2 | OSO | 2A | 5A |
| Psiv APAS PMA2 Dep Plngr-2 Pos | PMA-2 Passive APAS Departure Plngr-2 Pos | N1-2 | A10 | DIO | SL04 | CH18 | B | PMA-2 | OSO | 2A | 5A |
| Psiv APAS PMA2 Intf Sealed-2 Pos | PMA-2 Passive APAS Interface Sealed-2 Pos | N1-2 | A10 | DIO | SL04 | CH19 | B | PMA-2 | OSO | 2A | 5A |
| Spare | Spare | | | DIO | SL04 | CH20 | Spare | Spare | Spare | | |
| GNC Moding Ind PMA2 Active ACS Ind Cmd-2 | PMA-2 Talkback Panel Active ACS Ind Cmd-2 | N1-2 | A10 | DIO | SL04 | CH21 | A | PMA-2 | MCS | 2A | 5A |
| GNC Moding Ind PMA2 Free Drift Ind | PMA-2 Talkback Panel Free Drift Ind Cmd-2 | N1-2 | A10 | DIO | SL04 | CH22 | A | PMA-2 | MCS | 2A | 5A |
| Psiv APAS PMA3 Cap Plngr L-2 Pos | PMA-3 Passive APAS Capture Plngr Long-2 Pos | N1-2 | A10 | DIO | SL04 | CH23 | A | PMA-3 | OSO | 3A | 16A |
| Psiv APAS PMA3 Cap Plngr S-2 Pos | PMA-3 Passive APAS Capture Plngr Short-2 Pos | N1-2 | A10 | DIO | SL04 | CH24 | A | PMA-3 | OSO | 3A | 16A |
| Psiv APAS PMA3 Dep Plngr-2 Pos | PMA-3 Passive APAS Departure Plngr-2 Pos | N1-2 | A10 | DIO | SL04 | CH25 | A | PMA-3 | OSO | 3A | 16A |
| Psiv APAS PMA3 Intf Sealed-2 Pos | PMA-3 Passive APAS Interface Sealed-2 Pos | N1-2 | A10 | DIO | SL04 | CH26 | B | PMA-3 | OSO | 3A | 16A |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH27 | Spare | Spare | Spare | | |

N1-2 MDM Channel Assignments

| Name | Description | MDM | Card Refdes | Card Type | Slot No. | Chanl No. | Chanl Type | ISS Element | OPS Position | Flight Activation | Flight Deactivation |
|--|---|------|-------------|-----------|----------|-----------|------------|-------------|--------------|-------------------|---------------------|
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH28 | Spare | Spare | Spare | | |
| GNC Moding Ind PMA3 Active ACS Ind Cmd-2 | PMA-3 Talkback Panel Active ACS Ind Cmd-2 | N1-2 | A10 | DIO | SL04 | CH29 | A | PMA-3 | MCS | 3A | 16A |
| GNC Moding Ind PMA3 Free Drift Ind Cmd-2 | PMA-3 Talkback Panel Free Drift Ind Cmd-2 | N1-2 | A10 | DIO | SL04 | CH30 | A | PMA-3 | MCS | 3A | 16A |
| Spare | Spare | N1-2 | A10 | DIO | SL04 | CH31 | Spare | Spare | Spare | | |
| <hr/> | | | | | | | | | | | |
| VAV Cont CU-CU Pos | CUPOLA Air Mix Rheostat Pos | N1-2 | A04 | LLA | SL05 | CH00 | A | Cupola | ECLSS | 2A | AC |
| VAV Cont CU-CU Exc | CUPOLA Air Mix Rheostat Exc | N1-2 | A04 | LLA | SL05 | CH01 | B | Cupola | ECLSS | 2A | AC |
| Smk Det N2-1 Scatter Meas | Node-1 Smk Det-2 Scatter Meas | N1-2 | A04 | LLA | SL05 | CH02 | B | Node-1 | ECLSS | 2A | AC |
| Smk Det N2-1 Obscuration Meas | Node-1 Smk Det-2 Obscuration Meas | N1-2 | A04 | LLA | SL05 | CH03 | A | Node-1 | ECLSS | 2A | AC |
| Rnd Win RTD-1 Meas | Cupola Rnd Window RTD-1A Meas | N1-2 | A04 | LLA | SL05 | CH04 | B | Cupola | TCS | 10A | AC |
| Rnd Win RTD-3 Meas | Cupola Rnd Window RTD-2A Meas | N1-2 | A04 | LLA | SL05 | CH05 | A | Cupola | TCS | 10A | AC |
| Trap Win 1 RTD-1 Meas | Cupola Trap Window-1 RTD-1 Meas | N1-2 | A04 | LLA | SL05 | CH06 | A | Cupola | TCS | 10A | AC |
| Trap Win 1 RTD-3 Meas | Cupola Trap Window-1 RTD-3 Meas | N1-2 | A04 | LLA | SL05 | CH07 | B | Cupola | TCS | 10A | AC |
| Trap Win 2 RTD-1 Meas | Cupola Trap Window-2 RTD-1 Meas | N1-2 | A04 | LLA | SL05 | CH08 | B | Cupola | TCS | 10A | AC |
| Trap Win 2 RTD-3 Meas | Cupola Trap Window-2 RTD-3 Meas | N1-2 | A04 | LLA | SL05 | CH09 | A | Cupola | TCS | 10A | AC |
| Trap Win 3 RTD-1 Meas | Cupola Trap Window-3 RTD-1 Meas | N1-2 | A04 | LLA | SL05 | CH10 | A | Cupola | TCS | 10A | AC |
| Trap Win 3 RTD-3 Meas | Cupola Trap Window-3 RTD-3 Meas | N1-2 | A04 | LLA | SL05 | CH11 | B | Cupola | TCS | 10A | AC |
| Trap Win 4 RTD-1 Meas | Cupola Trap Window-4 RTD-1 Meas | N1-2 | A04 | LLA | SL05 | CH12 | A | Cupola | TCS | 10A | AC |
| Trap Win 4 RTD-3 Meas | Cupola Trap Window-4 RTD-3 Meas | N1-2 | A04 | LLA | SL05 | CH13 | B | Cupola | TCS | 10A | AC |
| Trap Win 5 Htr Enbl Cmd | Cupola Trap Window-5 RTD-1 Meas | N1-2 | A04 | LLA | SL05 | CH14 | B | Cupola | TCS | 10A | AC |
| Trap Win 5 RTD-3 Meas | Cupola Trap Window-5 RTD-3 Meas | N1-2 | A04 | LLA | SL05 | CH15 | A | Cupola | TCS | 10A | AC |
| Trap Win 6 Htr Enbl Cmd | Cupola Trap Window-6 RTD-1 Meas | N1-2 | A04 | LLA | SL05 | CH16 | B | Cupola | TCS | 10A | AC |
| Trap Win 6 RTD-3 Meas | Cupola Trap Window-6 RTD-3 Meas | N1-2 | A04 | LLA | SL05 | CH17 | A | Cupola | TCS | 10A | AC |
| Rnd Win RTD-2 Meas | Cupola Rnd Window RTD-1B Meas | N1-2 | A04 | LLA | SL05 | CH18 | A | Cupola | TCS | 10A | AC |
| Rnd Win RTD-4 Meas | Cupola Rnd Window RTD-2B Meas | N1-2 | A04 | LLA | SL05 | CH19 | B | Cupola | TCS | 10A | AC |
| Trap Win 1 RTD-2 Meas | Cupola Trap Window-1 RTD-2 Meas | N1-2 | A04 | LLA | SL05 | CH20 | A | Cupola | TCS | 10A | AC |
| Trap Win 1 RTD 4 Meas | Cupola Trap Window-1 RTD-4 Meas | N1-2 | A04 | LLA | SL05 | CH21 | B | Cupola | TCS | 10A | AC |
| Trap Win 2 RTD-2 Meas | Cupola Trap Window-2 RTD-2 Meas | N1-2 | A04 | LLA | SL05 | CH22 | B | Cupola | TCS | 10A | AC |
| Trap Win 2 RTD 4 Meas | Cupola Trap Window-2 RTD-4 Meas | N1-2 | A04 | LLA | SL05 | CH23 | A | Cupola | TCS | 10A | AC |
| Trap Win 3 RTD-2 Meas | Cupola Trap Window-3 RTD-2 Meas | N1-2 | A04 | LLA | SL05 | CH24 | A | Cupola | TCS | 10A | AC |
| Trap Win 3 RTD-4 Meas | Cupola Trap Window-3 RTD-4 Meas | N1-2 | A04 | LLA | SL05 | CH25 | B | Cupola | TCS | 10A | AC |
| Trap Win 4 RTD-2 Meas | Cupola Trap Window-4 RTD-2 Meas | N1-2 | A04 | LLA | SL05 | CH26 | B | Cupola | TCS | 10A | AC |
| Trap Win 4 RTD 4 Meas | Cupola Trap Window-4 RTD-4 Meas | N1-2 | A04 | LLA | SL05 | CH27 | A | Cupola | TCS | 10A | AC |
| Trap Win 5 RTD-2 Meas | Cupola Trap Window-5 RTD-2 Meas | N1-2 | A04 | LLA | SL05 | CH28 | B | Cupola | TCS | 10A | AC |
| Trap Win 5 RTD-4 Meas | Cupola Trap Window-5 RTD-4 Meas | N1-2 | A04 | LLA | SL05 | CH29 | A | Cupola | TCS | 10A | AC |
| Trap Win 6 RTD-2 Meas | Cupola Trap Window-6 RTD-2 Meas | N1-2 | A04 | LLA | SL05 | CH30 | A | Cupola | TCS | 10A | AC |
| Trap Win 6 RTD-4 Meas | Cupola Trap Window-6 RTD-4 Meas | N1-2 | A04 | LLA | SL05 | CH31 | B | Cupola | TCS | 10A | AC |
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| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH00 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH01 | Spare | Spare | Spare | | |

N1-2 MDM Channel Assignments

| Name | Description | MDM | Card Refdes | Card Type | Slot No. | Chnl No. | Chnl Type | ISS Element | OPS Position | Flight Activation | Flight Deactivation |
|---------------------------------|-----------------------------------|------|-------------|-----------|----------|----------|-----------|-------------|--------------|-------------------|---------------------|
| VAV Dmpr N1-CU Pos Cmd | Cupola Air Mix Vlv Pos Cmd | N1-2 | A11 | AIO | SL06 | CH02 | B | LS | TCS | 2A | AC |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH03 | Spare | Spare | Spare | | |
| IMV V N1-Fwd Rtn Speed Cmd | Node-1 Fwd Rtn IMV Vlv Speed Cmd | N1-2 | A11 | AIO | SL06 | CH04 | B | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Fwd Sply Speed Cmd | Node-1 Fwd Sply IMV Vlv Speed Cmd | N1-2 | A11 | AIO | SL06 | CH05 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Rtn Speed Cmd | Node-1 Nad Rtn IMV Vlv Speed Cmd | N1-2 | A11 | AIO | SL06 | CH06 | A | Node-1 | ECLSS | 2A | AC |
| IMV V N1-Nad Sply Speed Cmd | Node-1 Nad Sply IMV Vlv Speed Cmd | N1-2 | A11 | AIO | SL06 | CH07 | B | Node-1 | ECLSS | 2A | AC |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH08 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH09 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH10 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH11 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH12 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH13 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH14 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH15 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A11 | AIO | SL06 | CH16 | Spare | Spare | Spare | | |
| HX Lab MT-B Out Rtd Meas | Lab MT-B HX Outlet RTD Meas | N1-2 | A03 | LLA | SL07 | CH00 | A | LAB | TCS | | |
| Pn Struct N1 RTD Zone 1-2 Meas | Node-1 Shell Zone-1 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH01 | B | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 1-4 Meas | Node-1 Shell Zone-1 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH02 | B | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 2-2 Meas | Node-1 Shell Zone-2 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH03 | A | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 3-2 Meas | Node-1 Shell Zone-3 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH04 | B | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 3-4 Meas | Node-1 Shell Zone-3 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH05 | A | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 4-2 Meas | Node-1 Shell Zone 4 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH06 | A | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 5-2 Meas | Node-1 Shell Zone-5 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH07 | B | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 5-4 Meas | Node-1 Shell Zone-5 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH08 | B | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 6-2 Meas | Node-1 Shell Zone-6 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH09 | A | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 6-4 Meas | Node-1 Shell Zone-6 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH10 | A | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 7-2 Meas | Node-1 Shell Zone-7 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH11 | B | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 7-4 Meas | Node-1 Shell Zone-7 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH12 | A | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 8-2 Meas | Node-1 Shell Zone-8 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH13 | B | Node-1 | TCS | 2A | AC |
| Pri Struct N1 RTD Zone 9-2 Meas | Node-1 Shell Zone-9 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH14 | B | Node-1 | TCS | 2A | AC |
| Spare | Spare | N1-2 | A03 | LLA | SL07 | CH15 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A03 | LLA | SL07 | CH16 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A03 | LLA | SL07 | CH17 | Spare | Spare | Spare | | |
| Pri Struct N2 RTD Zone 1-2 Meas | Node-2 Shell Zone-1 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH18 | A | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 8-1 Meas | Node-2 Shell Zone-1 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH19 | B | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 3-1 Meas | Node-2 Shell Zone-2 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH20 | A | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 4-1 Meas | Node-2 Shell Zone-3 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH21 | B | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 5-2 Meas | Node-2 Shell Zone-3 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH22 | B | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 6-2 Meas | Node-2 Shell Zone 4 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH23 | A | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 7-2 Meas | Node-2 Shell Zone-5 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH24 | A | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 1-4 Meas | Node-2 Shell Zone-5 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH25 | B | Node-2 | TCS | 10A | 10A |

N1-2 MDM Channel Assignments

| Name | Description | MDM | Card Refdes | Card Type | Slot No. | Chnl No. | Chnl Type | ISS Element | OPS Position | Flight Activation | Flight Deactivation |
|---------------------------------|--------------------------------|------|-------------|-----------|----------|----------|-----------|-------------|--------------|-------------------|---------------------|
| Prl Struct N2 RTD Zone 8-2 Meas | Node-2 Shell Zone-6 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH26 | B | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 3-3 Meas | Node-2 Shell Zone-6 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH27 | A | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 4-2 Meas | Node-2 Shell Zone-7 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH28 | B | Node-2 | TCS | 10A | 10A |
| Pri Struct N2 RTD Zone 5-4 Meas | Node-2 Shell Zone-7 RTD-4 Meas | N1-2 | A03 | LLA | SL07 | CH29 | A | Node-2 | TCS | 10A | 10A |
| Pn Struct N2 RTD Zone 6-4 Meas | Node-2 Shell Zone-8 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH30 | A | Node-2 | TCS | 10A | 10A |
| Pn Struct N2 RTD Zone 7-4 Meas | Node-2 Shell Zone-9 RTD-2 Meas | N1-2 | A03 | LLA | SL07 | CH31 | B | Node-2 | TCS | 10A | 10A |
| <hr/> | | | | | | | | | | | |
| VAV Dmpr N1-CU Pos Fdbk | Cupola Air Mix Vlv Pos Fdbk | N1-2 | A12 | HLA | SL08 | CH00 | A | LS | ECLSS | 2A | AC |
| IMV Fan N1-Port Sply Speed Cmd | Node-1 Port IMV Fan Speed Fdbk | N1-2 | A12 | HLA | SL08 | CH01 | B | Node-1 | ECLSS | 2A | AC |
| IMV Fan N1-Stbd Rtn Speed Cmd | Node-1 Stbd IMV Fan Speed Fdbk | N1-2 | A12 | HLA | SL08 | CH02 | B | Node-1 | ECLSS | 2A | AC |
| Abs Press Xdcr N1 Meas | Node-1 Cabin Press Xdcr Meas | N1-2 | A12 | HLA | SL08 | CH03 | A | Node-1 | ECLSS | 2A | AC |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH04 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH05 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH06 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH07 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH08 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH09 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH10 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH11 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH12 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH13 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH14 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH15 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH16 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH17 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH18 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH19 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH20 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH21 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH22 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH23 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH24 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH25 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH26 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH27 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH28 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH29 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH30 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A12 | HLA | SL08 | CH31 | Spare | Spare | Spare | | |
| <hr/> | | | | | | | | | | | |
| SSMDM N1-1 RTD Meas | MDM PMA1-1 RTD Meas | N1-2 | A02 | LLA | SL09 | CH00 | A | PMA-I | TCS | | |
| Press Shl PMA1 RTD-6 Meas | PMA-1 Shell RTD-6 Meas | N1-2 | A02 | LLA | SL09 | CH01 | B | PMA-I | TCS | 2A | AC |

N1-2 MDM Channel Assignments

| Name | Description | MDM | Card Refdes | Card Type | Slot No. | Chanl No. | Chanl Type | ISS Element | OPS Position | Flight Activation | Flight Deactivation |
|---------------------------------|---------------------------------|------|-------------|-----------|----------|-----------|------------|-------------|--------------|-------------------|---------------------|
| Press Shl PMA1 RTD-7 Meas | PMA-1 Shell RTD-7 Meas | N1-2 | A02 | LLA | SL09 | CH02 | B | PMA-I | TCS | 2A | AC |
| Press Shl PMA1 RTD-8 Meas | PMA-1 Shell RTD-8 Meas | N1-2 | A02 | LLA | SL09 | CH03 | A | PMA-I | TCS | 2A | AC |
| Press Shl PMA1 RTD-9 Meas | PMA-1 Shell RTD-9 Meas | N1-2 | A02 | LLA | SL09 | CH04 | B | PMA-I | TCS | | |
| Press Shl PMA1 RTD-10 Meas | PMA-1 Shell RTD-10 Meas | N1-2 | A02 | LLA | SL09 | CH05 | A | PMA-I | TCS | 2A | AC |
| Psiv APAS PMA3 Htch RTD-1 Meas | PMA-3 APAS Hatch RTD-1 Meas | N1-2 | A02 | LLA | SL09 | CH06 | A | PMA-3 | TCS | 3A | 16A |
| Psiv APAS PMA3 Htch RTD-2 Meas | PMA-3 APAS Hatch RTD-2 Meas | N1-2 | A02 | LLA | SL09 | CH07 | B | PMA-3 | TCS | 3A | 16A |
| Psiv APAS PMA3 Htch RTD-3 Meas | PMA-3 APAS Hatch RTD-3 Meas | N1-2 | A02 | LLA | SL09 | CH08 | B | PMA-3 | TCS | 3A | 16A |
| Psiv APAS PMA3 Htch RTD-4 Meas | PMA-3 APAS Hatch RTD-4 Meas | N1-2 | A02 | LLA | SL09 | CH09 | A | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-1 Meas | PMA-3 Shell RTD-1 Meas | N1-2 | A02 | LLA | SL09 | CH10 | A | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-2 Meas | PMA-3 Shell RTD-2 Meas | N1-2 | A02 | LLA | SL09 | CH11 | B | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-3 Meas | PMA-3 Shell RTD-3 Meas | N1-2 | A02 | LLA | SL09 | CH12 | A | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-4 Meas | PMA-3 Shell RTD-4 Meas | N1-2 | A02 | LLA | SL09 | CH13 | B | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-5 Meas | PMA-3 Shell RTD-5 Meas | N1-2 | A02 | LLA | SL09 | CH14 | B | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-6 Meas | PMA-3 Shell RTD-6 Meas | N1-2 | A02 | LLA | SL09 | CH15 | A | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-7 Meas | PMA-3 Shell RTD-7 Meas | N1-2 | A02 | LLA | SL09 | CH16 | B | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-8 Meas | PMA-3 Shell RTD-8 Meas | N1-2 | A02 | LLA | SL09 | CH17 | A | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-9 Meas | PMA-3 Shell RTD-9 Meas | N1-2 | A02 | LLA | SL09 | CH18 | A | PMA-3 | TCS | 3A | 16A |
| Press Shl PMA3 RTD-10 Meas | PMA-3 Shell RTD-10 Meas | N1-2 | A02 | LLA | SL09 | CH19 | B | PMA-3 | TCS | 3A | 16A |
| Spare | Spare | N1-2 | A02 | LLA | SL09 | CH20 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A02 | LLA | SL09 | CH21 | Spare | Spare | Spare | | |
| CMGEA-1 RTD-1 Meas | CMGEA-1 RTD-1 Meas | N1-2 | A02 | LLA | SL09 | CH22 | B | FGB | MCS | | |
| CMGEA-1 RTD-2 Meas | CMGEA-1 RTD-2 Meas | N1-2 | A02 | LLA | SL09 | CH23 | A | ITS-Z1 | MCS | | |
| CMGEA-4 RTD-1 Meas | CMGEA-4 RTD-1 Meas | N1-2 | A02 | LLA | SL09 | CH24 | A | ITS-Z1 | MCS | | |
| CMGEA-4 RTD-2 Meas | CMGEA 4 RTD-2 Meas | N1-2 | A02 | LLA | SL09 | CH25 | B | ITS-Z1 | MCS | | |
| Spare | Spare | N1-2 | A02 | LLA | SL09 | CH26 | | Spare | Spare | | |
| Spare | Spare | N1-2 | A02 | LLA | SL09 | CH27 | | Spare | Spare | | |
| SPDA Z1-3B Util Rail RTD-2 Meas | SPDA Z1-3B Util Rail RTD-2 Meas | N1-2 | A02 | LLA | SL09 | CH28 | B | ITS-Z1 | EPS | | |
| Spare | Spare | N1-2 | A02 | LLA | SL09 | CH29 | Spare | Spare | Spare | | |
| Spare | Spare | N1-2 | A02 | LLA | SL09 | CH30 | Spare | Spare | Spare | | |
| SPDA Z1-4B Util Rail RTD-1 Meas | SPDA Z1-4B Util Rail RTD-1 Meas | N1-2 | A02 | LLA | SL09 | CH31 | B | ITS-Z1 | EPS | | |